Telematic WG Use Cases

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### Background

- **The Matrix**

<table>
<thead>
<tr>
<th>INFORMATION</th>
<th>WHO IS IT FOR?</th>
<th>WHAT IS IT FOR?</th>
<th>WHEN IS IT NEEDED?</th>
<th>HOW IS IT PROVIDED?</th>
<th>AVAILABILITY</th>
<th>USE OF TELEMATICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public authorities</td>
<td>Driver/Crew</td>
<td>Security bodies</td>
<td>All information in the transport document under A is necessary before and throughout the journey. This column only indicates particular circumstances where this information needs to be available.</td>
<td>Operational</td>
<td>Operational advantage</td>
<td></td>
</tr>
<tr>
<td>Freight/Consignor</td>
<td>Carrier</td>
<td>Infrastructure manager</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Logistic</td>
<td>Packer</td>
<td>Emergency responders</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freight/carrier</td>
<td>Tank-carrier operator</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freight/container</td>
<td>Tank-container operator</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
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<td>Freight/container</td>
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</tr>
</tbody>
</table>

- **The Model**
What is a use case?

A use case is a list of steps, typically defining interactions between a role and a system, to achieve a goal. The actor can be a human or an external system.
Work done with the matrix

• The matrix say:
  – What?
  – Who?
  – When?
  – For which purpose?
  – How is it provided?

• The model describe how the data are defined and organised

• The use cases describe action to know how the data model can be used
Actors

- Driver / Crew
- Shipper/Consignor/ Sender
- Freight forwarder
- Consignee
- Loader
- Carrier
- Tank-Wagon Operator
- Packer
- Filler
- Tank-Container operator
- Infrastructure Manager
- Competent Authority (Road Operator, Tunnel Manufacturer, …)
- Emergency responder
- Enforcement bodies
- Security bodies
- Fleet Manager/OBU Operator
- Services Providers
Carrier Use Case
Fleet Management
Transport company
Place where the data are made available
Carrier use case lessons

- Consignor produces the transport documents at first stage
- One truck can « transport » one or more shipment
- The same shipment can be « on » different trucks along the journey and not at the same time
- Transport company is the one informed of which Vehicle (Truck, wagon, Vessel) is carrying the shipment
- Tracking is related to the on Board Unit
- With high level on board equipment like trailer with connection with the bus can of the truck, information of the vehicle transporting the shipment could be dynamically updated

Question:
- If the trailer is equipped with an OBU, do we track the OBU of the trailer or the OBU of the tractor?
- If the shipment is packed in a container equipped with an OBU, do we track the OBU of the container or the OBU of the tractor?
Thank you for your attention